

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20060034410".pn.	US-PGPUB; USPAT	AND	ON	2008/01/16 13:56
S2	1	"20020085657".pn.	US-PGPUB; USPAT	AND	ON	2008/01/03 16:30
S3	1	"6798308".pn.	US-PGPUB; USPAT	AND	ON	2008/01/03 16:31
S5	37	(SANDULEANU with MI HAI with ADRIAN with TIBERI U).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in. and correlator	US-PGPUB; USPAT	WITH	ON	2008/01/03 16:59
S6	38	(SANDULEANU with MI HAI with ADRIAN with TIBERI U).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in. and balanced	US-PGPUB; USPAT	WITH	ON	2008/01/03 16:35
S7	1	"6992510".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/03 16:36
S8	55	quadricorrelator	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:40
S9	1	"4308505".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/03 16:46
S10	39	(SANDULEANU with MI HAI with ADRIAN with TIBERI U).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in. and (quadrat\$3 and (correlator or PLL))	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:42
S12	2	((SANDULEANU with MI HAI with ADRIAN with TIBERI U).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in.) and quadricorrelator	US-PGPUB; USPAT	WITH	ON	2008/01/03 17:01
S13	2	((SANDULEANU with MI HAI with ADRIAN with TIBERI U).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in.) and quadricorrelator	US-PGPUB; USPAT	WITH	ON	2008/01/03 17:02
S14	19	((SANDULEANU with MI HAI with ADRIAN with TIBERI U).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in.) and (quadrat\$3 and (correlator or PLL))	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:04
S15	10751	((koninklijke with philips) or nxp).as.	US-PGPUB; USPAT	WITH	ON	2008/01/03 17:08
S16	1	((koninklijke with philips) or nxp).as. and quadricorrelat\$3	US-PGPUB; USPAT	WITH	ON	2008/01/03 19:37
S17	1	((koninklijke with philips) or nxp).as. and quadricorrelator	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:30

S18	1	"5757857".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/03 17:17
S19	58	quadri\$1correlator	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:40
S20	58	quadri\$2correlator	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:40
S21	9	S19 NOT S8	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:41
S22	77	(quadr\$3correlat\$3 or quadri near correlat\$3)	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:44
S23	77	(quadr\$3correlat\$3 or (quadri near correlat\$3))	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:45
S24	2	((SANDULEANU with MIHAI with ADRIAN with TIBERIU).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in.) and (quadr\$3correlat\$3 or (quadri near correlat\$3))	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:44
S25	68	(quadr\$3correlat\$3 or quadri near correlat\$3) and (frequency with (error or detect\$3))	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:44
S26	30	(quadr\$3correlat\$3 or (quadri near correlat\$3)) and (mux or multiplex\$3)	US-PGPUB; USPAT	WITH	ON	2008/01/03 18:46
S27	1132	((koninklijke with philips) or nxp).as. and ((frequency or phase) with (detect \$3 or error))	US-PGPUB; USPAT	WITH	ON	2008/01/03 19:38
S28	4	((koninklijke with philips) or nxp).as. and ((frequency or phase) with (detect \$3 or error)) and @pd<"20011105"	US-PGPUB; USPAT	WITH	ON	2008/01/03 19:39
S29	387	((koninklijke with philips) or nxp).as. and ((frequency or phase) with (detect \$3 or error)) and @ad<"20011105"	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:05
S30	5526	(331/1a,25 or 375/374-376).ccls.	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:06
S31	242	(331/1a,25 or 375/374-376).ccls. and mux	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:07
S32	121	(331/1a,25 or 375/374-376).ccls. and mux and (flip\$1flop or D\$1FF or (flip with flop))	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:07
S33	89	(331/1a,25 or 375/374-376).ccls. and mux and (flip\$1flop or D\$1FF or (flip with flop)) and @ad<"20021105"	US-PGPUB; USPAT	WITH	ON	2008/01/04 11:44
S34	11	("3746851"   "3751994"   "3831014"   "3867620"   "4470145"   "4500973"   "4755761"   "5115454"   "5790597"   "6493404"   "6738433").PN. OR ("6992510").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/01/03 20:21
S35	17	(331/1a,25 or 375/374-376).ccls. and mux and (flip\$1flop or D\$1FF or (flip with flop)) and @ad<"20021105" and quadrature	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:48

S36	1085	(phase with discriminat\$3) and (multiplexor or switch or mux) and (flip \$1flop or (flip near flop) or D\$1ff)	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:50
S37	1834	(frequency with discriminat\$3) and (multiplexor or switch or mux) and (flip \$1flop or (flip near flop) or D\$1ff)	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:56
S38	1653	(frequency with discriminat\$3) and (multiplexor or switch or mux) and (flip \$1flop or (flip near flop) or D\$1ff) and @ad<"20021105"	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:51
S39	1647	(frequency with discriminat\$3) and (switch or mux) and (flip\$1flop or (flip near flop) or D\$1ff) and @ad<"20021105"	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:51
S40	52	(frequency with discriminat\$3) and (mux) and (flip\$1flop or (flip near flop) or D\$1ff) and @ad<"20021105"	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:56
S41	253	(frequency with discriminat\$3) and (multiplexor or switch or mux) and (flip \$1flop or (flip near flop) or D\$1ff) and @ad<"20021105" and quadrature	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:51
S42	160	(frequency with discriminat\$3) and (multiplexor or switch or mux) and (flip \$1flop or (flip near flop) or D\$1ff) and @ad<"20021105" and quadrature and (bi\$1phase or edge)	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:52
S43	104	(frequency with discriminat\$3) and (multiplexor or switch or mux) and (flip \$1flop or (flip near flop) or D\$1ff) and @ad<"20021105" and quadrature and (dual or bi\$1phase)	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:57
S44	24	(frequency near discriminat\$3) and (mux) and (flip\$1flop or (flip near flop) or D\$1ff) and @ad<"20021105"	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:54
S45	24	(frequency near discriminat\$3) and (mux) and (flip\$1flop or (flip near flop) or D\$1ff) and @ad<"20021105"	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:56
S46	638	(frequency near discriminat\$3) and (multiplexor or switch or mux) and (flip \$1flop or (flip near flop) or D\$1ff)	US-PGPUB; USPAT	WITH	ON	2008/01/03 20:56
S47	38	(frequency near discriminat\$3) and (multiplexor or switch or mux) and (flip \$1flop or (flip near flop) or D\$1ff) and @ad<"20021105" and quadrature and (dual or bi\$1phase)	US-PGPUB; USPAT	WITH	ON	2008/01/03 21:00
S48	3	(frequency near discriminat\$3) and (multiplexor or mux) and (flip\$1flop or (flip near flop) or D\$1ff) and @ad<"20021105" and quadrature and (dual or bi\$1phase)	US-PGPUB; USPAT	WITH	ON	2008/01/03 21:00
S49	294	(331/1a,25 or 375/374-376).ccls. and (frequency with discriminat\$3) and @ad<"20021105"	US-PGPUB; USPAT	WITH	ON	2008/01/04 11:47

S50	68	(331/1a,25 or 375/374-376).ccls. and (frequency with discriminat\$3) and @ad<"20021105" and quadrature	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:13
S51	1	"20060034410".pn.	US-PGPUB; USPAT	AND	ON	2008/01/04 11:53
S52	2	double edge clocked bi\$1stable	US-PGPUB; USPAT	WITH	ON	2008/01/04 11:54
S53	1	"6300809".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/04 11:54
S54	71	(331/1a,25 or 375/374-376).ccls. and (frequency with discriminat\$3) and @ad<"20031105" and quadrature	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:13
S55	78	(331/1a,25 or 375/374-376).ccls. and (frequency with discriminat\$3) and quadrature	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:21
S56	10	S55 not S50	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:13
S57	2406	(frequency with discriminat\$3) and quadrature	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:21
S58	385	(frequency with discriminat\$3) and quadrature and ((flip with flop) or flip \$1flop or D\$1ff)	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:22
S59	360	((frequency with discriminat\$3) and quadrature and ((flip with flop) or flip \$1flop or D\$1ff)) NOT S55	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:27
S60	19	((frequency with discriminat\$3) and quadrature and ((flip with flop) or flip \$1flop or D\$1ff) and mux) NOT S55	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:27
S61	61	(SANDULEANU with MIHAI with ADRIAN with TIBERI U).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in.	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:45
S62	30	((SANDULEANU with MIHAI with ADRIAN with TIBERI U).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in.) and quadrature	US-PGPUB; USPAT	WITH	ON	2008/01/04 12:46
S63	362	((koninklijke with philips) or nxp).as. and quadrature	US-PGPUB; USPAT	WITH	ON	2008/01/04 13:17
S64	114	((koninklijke with philips) or nxp).as. and quadrature and (frequency with (discriminat\$3 or detect\$3))	US-PGPUB; USPAT	WITH	ON	2008/01/04 13:25
S65	1	"5015872".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/04 13:26
S66	1	"5179731".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/04 13:43
S67	10337	(frequency near detector)	US-PGPUB; USPAT	WITH	ON	2008/01/04 13:43
S68	419	(frequency near detector) and quadrature and ((flip near flop) or flip \$1flop or d\$1ff)	US-PGPUB; USPAT	WITH	ON	2008/01/04 13:45

S69	369	((frequency near detector) and quadrature and ((flip near flop) or flip \$1flop or d\$1ff)) NOT S58	US-PGPUB; USPAT	WITH	ON	2008/01/04 13:47
S70	124	((frequency near detector) and quadrature and ((flip near flop) or flip \$1flop or d\$1ff) and (mux or multiplexor)) NOT S58	US-PGPUB; USPAT	WITH	ON	2008/01/04 14:05
S71	1	"20020085657".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/04 14:05
S72	1	"6154077".pn.	US-PGPUB; USPAT	AND	ON	2008/01/04 16:49
S73	20	quad\$correlat\$3 and ("329" or "327"). clas.	US-PGPUB; USPAT	AND	ON	2008/01/04 16:54
S74	88	quad\$correlat\$3	US-PGPUB; USPAT	AND	ON	2008/01/04 16:51
S75	3	quad\$correlat\$3 and (double with edge)	US-PGPUB; USPAT	AND	ON	2008/01/04 17:20
S76	239	(double with edge with flip with flop)	US-PGPUB; USPAT	AND	ON	2008/01/04 17:20
S77	102	(double with edge with flip with flop) and (pll or (frequency (detector or discriminator)))	US-PGPUB; USPAT	AND	ON	2008/01/04 17:22
S78	43	(double near edge with flip with flop) and (pll or (frequency (detector or discriminator)))	US-PGPUB; USPAT	AND	ON	2008/01/04 17:22
S79	1	"20040114702".pn.	US-PGPUB; USPAT	AND	ON	2008/01/04 18:15
S80	1	"6545546".pn.	US-PGPUB; USPAT	AND	ON	2008/01/04 18:28
S81	1	"6211741".pn.	US-PGPUB; USPAT	AND	ON	2008/01/04 18:29
S82	1	"6977959".pn.	US-PGPUB; USPAT	AND	ON	2008/01/04 18:59
S83	1	"20020085657".PN.	US-PGPUB; USPAT	AND	ON	2008/01/04 18:59
S84	1	"3812388".pn.	US-PGPUB; USPAT	AND	ON	2008/01/15 18:21
S85	1757	gradient with search	US-PGPUB; USPAT	AND	ON	2008/01/16 14:17
S86	930	gradient near2 search	US-PGPUB; USPAT	AND	ON	2008/01/16 17:00
S88	3511	(charge near pump).ab.	US-PGPUB; USPAT	AND	ON	2008/01/16 17:03
S89	2351	(charge near pump).ab. and transistor and @ad<"20050502"	US-PGPUB; USPAT	AND	ON	2008/01/16 17:03
S90	516	(charge near pump).ab. and ((transistor with pair)) and @ad<"20050502"	US-PGPUB; USPAT	AND	ON	2008/01/16 17:04
S91	281	(charge near pump).ab. and ((transistor with pair) same (charge near pump)) and @ad<"20050502"	US-PGPUB; USPAT	AND	ON	2008/01/16 17:11
S93	871	(charge near pump).ab. and ((frequency or phase) with detect\$3) and transistor	US-PGPUB; USPAT	AND	ON	2008/01/16 17:25

S94	1159	(charge near pump).ab. and (((frequency or phase) with detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump))))	US-PGPUB; USPAT	AND	ON	2008/01/16 17:26
S96	849	(charge near pump).ab. and (((frequency or phase) with detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump)))) and @ad<"20050427" and (PLL or (phase\$1 with lock\$3 with loop))	US-PGPUB; USPAT	AND	ON	2008/01/16 17:27
S97	751	(charge near pump).ab. and (((frequency or phase) with detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump)))) and @ad<"20050427" and PLL	US-PGPUB; USPAT	AND	ON	2008/01/16 17:28
S98	151	(charge near pump).ab. and (((frequency or phase) with detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump)))) and @ad<"20050427" and PLL and "375". clas.	US-PGPUB; USPAT	AND	ON	2008/01/16 17:28
S99	176	(charge near pump).ab. and (((frequency or phase) with detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump)))) and @ad<"20050427" and "375".clas.	US-PGPUB; USPAT	AND	ON	2008/01/16 17:30
S102	577	(charge near pump).ab. and (((frequency or phase) with detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump)))) and @ad<"20050427" and "327".clas.	US-PGPUB; USPAT	AND	ON	2008/01/16 17:32
S103	76	(charge near pump).ab. and (((frequency or phase) with detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump)))) and @ad<"20050427" and (327/536).ccls.	US-PGPUB; USPAT	AND	ON	2008/01/16 17:36
S104	50	(charge near pump).ab. and (((frequency or phase) near2 detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump)))) and @ad<"20050427" and (327/536).ccls.	US-PGPUB; USPAT	AND	ON	2008/01/16 17:50
S105	1	(charge near pump).ab. and (((frequency or phase) near2 detect\$3) same (transistor or (charge\$4pump or (charg\$3 near pump)))) and @ad<"20050427" and (327/536).ccls. and quadrature	US-PGPUB; USPAT	AND	ON	2008/01/16 17:59
S106	30	(Mihai near Sanduleanu).in. and ((phase or frequency) near2 detect\$3)	US-PGPUB; USPAT	AND	ON	2008/01/16 18:00
S107	37	(SANDULEANU with MIHAI with ADRIAN with TIBERIU).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in. and quadricorrelator	US-PGPUB; USPAT	WITH	ON	2008/01/16 18:04

S108	38	(SANDULEANU with MIHAI).in. or (LEENAERTS with DOMINICUS with MARTINUS with WILHELMUS).in. and quadricorrelator	US-PGPUB; USPAT	WITH	ON	2008/01/16 18:04
S109	38	(SANDULEANU with MIHAI).in. or (LEENAERTS with WILHELMUS).in. and quadricorrelator	US-PGPUB; USPAT	WITH	ON	2008/01/16 18:05
S110	8	S109 not S106	US-PGPUB; USPAT	WITH	ON	2008/01/16 18:08
S111	444	(326/17).ocls.	US-PGPUB; USPAT	WITH	ON	2008/01/16 18:08
S112	4	(326/17).ocls. and ((frequency or phase) near2 detect\$3)	US-PGPUB; USPAT	WITH	ON	2008/01/17 14:20
S113	2	(326/20).ocls. and ((frequency or phase) near2 detect\$3)	US-PGPUB; USPAT	WITH	ON	2008/01/16 18:09
S114	1	"20070021933".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/17 14:21
S115	268	(tri\$1state or (tri adj state)) same ((frequency or phase) near3 detect\$3)	US-PGPUB; USPAT	WITH	ON	2008/01/17 14:22
S116	140	(tri\$1state or (tri adj state)) same ((frequency or phase) near3 detect\$3) and transistor	US-PGPUB; USPAT	WITH	ON	2008/01/17 14:23
S117	7831	nor near5 transistor	US-PGPUB; USPAT	AND	ON	2008/01/17 15:34
S118	1400	nor near5 transistor and "327".clas.	US-PGPUB; USPAT	AND	ON	2008/01/17 15:34
S119	870	nor near5 transistor and "327".clas. and @pd<"20020101"	US-PGPUB; USPAT	AND	ON	2008/01/17 15:34
S120	1	(nor and "not") near5 transistor and "327".clas. and @pd<"20020101"	US-PGPUB; USPAT	AND	ON	2008/01/17 15:35
S121	870	(nor) near5 transistor and "327".clas. and @pd<"20020101"	US-PGPUB; USPAT	AND	ON	2008/01/17 15:35
S122	86	(nor) near5 transistor and "327".clas. and @pd<"20020101" and nor.ab.	US-PGPUB; USPAT	AND	ON	2008/01/17 15:42
S123	2	("NOT") near5 transistor and "327".clas. and @pd<"20020101"	US-PGPUB; USPAT	AND	ON	2008/01/17 15:43
S124	2	"not" with gate with transistor	US-PGPUB; USPAT	AND	ON	2008/01/17 16:52
S125	14766	nor with transistor\$1	US-PGPUB; USPAT	AND	ON	2008/01/17 17:15
S126	8304	nor with transistor\$1 and @pd<"20020101"	US-PGPUB; USPAT	AND	ON	2008/01/17 17:16
S127	5173	(nor near gate) with transistor\$1 and @pd<"20020101"	US-PGPUB; USPAT	AND	ON	2008/01/17 17:16
S128	993	(nor near gate) with transistor\$1 and @pd<"20020101" and "327".clas.	US-PGPUB; USPAT	AND	ON	2008/01/17 17:17
S129	200	(nor near gate) with transistor\$1 and @pd<"20020101" and (texas with instruments).as.	US-PGPUB; USPAT	AND	ON	2008/01/17 17:18
S130	12	((SANDULEANU with TIBERI U).in. or (LEENAERTS with WILHELMUS).in.) and (coarse)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:34

S131	61	((SANDULEANU with TIBERIU).in. or (LEENAERTS with WILHELMUS).in.)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:09
S132	144	PLL and (course with VCO)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:09
S133	98	PLL and (course with VCO) and (add\$3 or su\$1mer or sum\$1ing)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:11
S134	249	PLL and (coarse with VCO) and (add\$3 or su\$1mer or sum\$1ing)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:13
S135	316	PLL and (coarse same fine same VCO) and (add\$3 or su\$1mer or sum\$1ing)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:13
S136	159	PLL and (coarse same fine same VCO) and (add\$3 or su\$1mer or sum\$1ing) and @ad<"20021105"	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:19
S137	11396	((phase or frequency) detect\$3) same VCO	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:20
S138	26	((phase or frequency) detect\$3) same VCO same (charge with pump) same (coarse with fine)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:21
S139	11620	((koninklijke with philips) or (philips North America)).as.	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:30
S140	1	((koninklijke with philips) or (philips North America)).as. and (VCO with fine with coarse)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:31
S141	2	((koninklijke with philips) or (philips North America)).as. and (VCO with fine) and (Vco with coarse)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:32
S142	1989	(frequency near detect\$3) and (phase near detect\$3) and (charge near pump)	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:35
S143	314	(frequency near detect\$3) and (phase near detect\$3) and (charge near pump) and (375/215,294,327,373,376).ccls.	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:38
S144	35	(frequency near detect\$3) and (phase near detect\$3) and (charge near pump) and (375/215,294,327,373,376).ccls. and ((VCO or nco) with (coarse or fine))	US-PGPUB; USPAT	WITH	ON	2008/01/17 20:54
S145	1	"6853696".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/17 21:19
S146	1	"20060050829".pn.	US-PGPUB; USPAT	WITH	ON	2008/01/17 21:19
S147	3	("6853696" or "5734301" or "6320406").pn.	US-PGPUB; USPAT	AND	ON	2008/01/17 21:43
S148	11	(jafar with savo).in.	US-PGPUB; USPAT	AND	ON	2008/07/06 20:28
S149	1	"5757857".pn.	US-PGPUB; USPAT	AND	ON	2008/07/06 20:38
S150	34	(sample adj2 hold) with D\$1ff	US-PGPUB; USPAT	AND	ON	2008/07/06 20:41
S151	348	(phase near detector) with (frequency near error)	US-PGPUB; USPAT	AND	ON	2008/07/06 21:23
S152	142	(phase near detector) with (output\$3 or generat\$3) with (frequency near error)	US-PGPUB; USPAT	AND	ON	2008/07/06 21:24



S153	122	(phase near detector) with (output\$3 or generat\$3) with (frequency near error) and (@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105")	US-PGPUB; USPAT	AND	ON	2008/07/06 21:24
S154	47	(phase near detector) with (output\$3 or generat\$3) with (frequency near error) and (@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and differential\$2	US-PGPUB; USPAT	AND	ON	2008/07/06 21:27
S155	37	(frequency near detector) with (output \$3 or generat\$3) with (frequency near error) and (@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and differential\$2	US-PGPUB; USPAT	AND	ON	2008/07/06 21:28
S156	494	(frequency near detector) with (output \$3 or generat\$3) with (phase near (difference or error)) and (@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105")	US-PGPUB; USPAT	AND	ON	2008/07/06 21:31
S157	5	(frequency near detector) with (output \$3 or generat\$3) with (phase near (difference or error)) with differential\$2 and (@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105")	US-PGPUB; USPAT	AND	ON	2008/07/06 21:31
S158	1	"20060050829".pn.	US-PGPUB; USPAT	AND	ON	2008/07/06 21:46
S159	1	"20060050828".pn.	US-PGPUB; USPAT	AND	ON	2008/07/06 21:47
S160	1	"20060050830".pn.	US-PGPUB; USPAT	AND	ON	2008/07/06 21:47
S161	2	"11533059"	US-PGPUB; USPAT	AND	ON	2008/07/06 21:47
S162	1	"10533059"	US-PGPUB; USPAT	AND	ON	2008/07/06 21:47
S163	2	"10533057"	US-PGPUB; USPAT	AND	ON	2008/07/06 21:47
S164	2	"10533057"	US-PGPUB; USPAT	AND	ON	2008/07/06 21:48
S165	1	"10533507"	US-PGPUB; USPAT	AND	ON	2008/07/06 21:49
S166	1	"6853696".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 06:42
S167	1	"20060050829".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 07:50
S168	1	"6853696".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 07:57

S169	208	(frequency near beat) with (phase near2 difference)	US-PGPUB; USPAT	AND	ON	2008/07/07 08:06
S170	180	(frequency near beat) with (phase near2 difference) and (@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105")	US-PGPUB; USPAT	AND	ON	2008/07/07 08:06
S171	6	ideal near frequency near detect\$3 and (@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105")	US-PGPUB; USPAT	AND	ON	2008/07/07 08:19
S172	2	(frequency near2 error) with (VCO near2 coarse) and (@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105")	US-PGPUB; USPAT	AND	ON	2008/07/07 08:33
S173	1	"5734301".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 08:37
S174	1	"20060050829".pn.	US-PGPUB; USPAT	AND	ON	2009/03/16 13:55
S175	3	("6853696" or "6320406" or "5734301").pn.	US-PGPUB; USPAT	AND	ON	2009/04/22 12:31
S176	1	"6201785".pn.	US-PGPUB; USPAT	AND	ON	2009/04/22 12:34
S177	1	"5426655".pn.	US-PGPUB; USPAT	AND	ON	2009/04/22 12:35
S178	1	"20040252632".pn.	US-PGPUB; USPAT	AND	ON	2009/04/22 12:36
S179	1	"6081572".pn.	US-PGPUB; USPAT	AND	ON	2009/04/22 15:35
S180	187	angular with difference with between with two with signals with phase	US-PGPUB; USPAT	AND	ON	2009/04/22 21:07
S181	53	("3626298"   "4570125"   "4604755"   "4879728"   "4926447"   "4949357"   "5012494"   "5233631"   "5402449").PN. OR ("5757857").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:22
S182	65	(Pottbacker or Langmann or Schreiber) with phase	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:29
S183	53	(Pottbacker or Langmann or Schreiber) with frequency	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:30
S184	53	(Pottbacker or Langmann or Schreiber) with frequenc\$3	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:30
S185	0	(Pottbaker) with (frequenc\$3 OR PHASE)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:52
S186	0	(PottbOker) with (frequenc\$3 OR PHASE)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:52

S187	0	(Pottboker) with (frequenc\$3 OR PHASE)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:52
S188	0	(Pottbaker) with (frequenc\$3 OR PHASE)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:52
S189	1	"7356106".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 12:58
S190	3	("4608702"   "4661965"   "5694088"). PN. OR ("7356106").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:02
S191	0	(Agency with Science with singapore). as. and cdr	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:07
S192	7	(Agency with Science).as. and cdr	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:10
S193	6	Ajjikuttira.in.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:10
S194	280	375/324.ccls. and differential\$2	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:26
S195	37	375/324.ccls. and differential\$2 with (select\$3 or multiplex\$1r or mux)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:27
S196	132	differential near3 mux	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:47
S197	4	differential near3 mux and cdr	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:48
S198	5	("5686864").PN. OR ("7102446").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:51
S199	59	differential near3 mux and phase	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 13:55
S200	1	repeater with ofdm with (pseudo or dsss)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 14:43
S201	3	repeater and ofdm with (pseudo or dsss or spread\$3) with (convers\$3 or convert \$3)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 14:43
S202	2930	"802.11"\$1a same "802.11"\$1b same frequency	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 14:44
S203	2930	"802.11"\$1a same "802.11"\$1b same frequency and (@ad<"20000101" or @pd<"20000101" or rlad<"20000101" or @prad<"20000101")	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 14:44

S204	0	"802.11"\$1a same "802.11"\$1b same frequency and @pd<"20000101"	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 14:45
S205	3	"802.11"\$1a same "802.11"\$1b same frequency and @ad<"20000101"	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 14:46
S206	46	("5148413"   "5185762"   "5574979"   "5754947"   "5852405"   "5875186"   "5974101"   "6269093"   "6272120").PN. OR ("6600726").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 14:51
S207	1	"6940827".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 14:56
S208	13	("4958133"   "5703532"   "6340899"   "6424194"   "6469579"   "6642790"   "6642791").PN. OR ("6774721").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:34
S209	3	common near2 mode with cdr	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:39
S210	256	common near2 mode with (latch or flip \$1flop)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:42
S211	32	common near2 mode with (mux)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:46
S212	17	common near2 mode with (mux) and (phase or cdr)	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:46
S213	7795	differential with phase with detect\$3	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:51
S214	5678	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and differential with phase with detect\$3	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:52
S215	2919	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and differential with phase near2 detect\$3	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:52
S216	2194	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and differential near5 phase near2 detect\$3	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:52
S217	25	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and differential near5 phase near2 detect\$3 and sonet	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/08 15:52

S218	22	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and (Pottbacker) with phase	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 14:56
S219	1	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and phase and "6081572".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 15:12
S220	29	("4267514"   "4739284"   "4773085"   "4965528"   "5006818"   "5079515"   "5172397"   "5592125"   "5610954"   "5694088").PN. OR ("6081572").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 15:27
S221	1021	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and phase near2 detector with charg\$3 near2 pump\$3 and frequency near2 detector with charg\$3 near2 pump\$3	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 15:43
S222	133	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and phase near2 detector with charg\$3 near2 pump\$3 and frequency near2 detector with charg\$3 near2 pump\$3 and coarse	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 15:44
S223	111	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and phase near2 detector with charg\$3 near2 pump\$3 and frequency near2 detector with charg\$3 near2 pump\$3 and coarse and fine	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 15:44
S224	1	"5446416".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 15:52
S225	2	("5446416" or "5369376").pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 15:55
S226	134	327/157.ccls. and dual	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 16:16
S227	33	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and 327/157.ccls. and dual with loop	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 16:17
S228	1	"6445231".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 16:19

S229	34	("4593254"   "4594564"   "4940952"   "4943788"   "5506875"   "5574756"   "5694088"   "5712580"   "5739709"   "5799048"   "5950115"   "5953386"   "6041090"   "6055286"   "6075416"   "6081572").PN. OR ("6310521").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 16:27
S230	19	("4131861").PN. OR ("5446416").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/11 16:42
S231	291	differential near2 frequency near2 detect\$3	US-PGPUB; USPAT	AND	ON	2009/05/22 14:52
S232	225	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and differential near2 frequency near2 detect\$3	US-PGPUB; USPAT	AND	ON	2009/05/22 14:55
S233	210	(@ad<"20021105" or @rlad<"20021105" or @prad<"20021105" or @pd<"20021105") and differential near2 frequency near2 detect\$3 NOT ("09493458" or "60178258")	US-PGPUB; USPAT	AND	ON	2009/05/22 14:57
S234	1	"7409027".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/22 16:26
S235	2	("7409027" or "6081572").pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/05/22 16:26

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	3	PHILIPS.as. and quadricorrelat\$3	USPAT; UPAD	AND	ON	2009/09/29 16:47
L9	1	nxp.as. and quadricorrelat\$3	USPAT; UPAD	AND	ON	2009/09/29 16:48
L11	6	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,536 or 326/17,20).ccls. and (SANDULEANU with MIHAI with ADRIAN with TIBERIU).in.	USPAT; UPAD	WITH	ON	2009/09/29 16:52
L12	11	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,536 or 326/17,20).ccls. and nxp.as.	USPAT; UPAD	WITH	ON	2009/09/29 16:53
L14	4	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,536 or 326/17,20).ccls. and nxp.as. and (frequency with detect\$3 and (PLL or phase with lock\$3 with loop)).clm.	USPAT; UPAD	WITH	ON	2009/09/29 16:53

L15	0	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,536 or 326/17,20).ccls. and (quadricorrelat\$3 and charge with pump and low\$1pass with filter\$3 and flip \$1flop).clm.	USPAT; UPAD	WITH	ON	2009/09/29 16:57
L16	0	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,536 or 326/17,20).ccls. and (quadricorrelat\$3 and charge with pump and filter\$3 and flip\$1flop).clm.	USPAT; UPAD	WITH	ON	2009/09/29 16:57
L17	1	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,536 or 326/17,20).ccls. and (quadricorrelat\$3 and charge with pump and filter\$3 and bi\$1stabl\$3).clm.	USPAT; UPAD	WITH	ON	2009/09/29 16:57
L18	2	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,536 or 326/17,20).ccls. and (quadricorrelat\$3 and frequency with detect\$3 and phase with detect\$3).clm.	USPAT; UPAD	WITH	ON	2009/09/29 16:58
L19	0	PHI LIPS.as. and quadricorrelat\$3.clm.	USPAT; UPAD	AND	ON	2009/09/29 16:59
L20	1	nxp.as. and quadricorrelat\$3.clm.	USPAT; UPAD	AND	ON	2009/09/29 16:59
L21	0	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,159,536 or 326/17,20).ccls. and (quadricorrelat\$3 and charge with pump and filter\$3 and flip\$1flop).clm.	USPAT; UPAD	WITH	ON	2009/09/29 17:17
L22	6	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,159,536 or 326/17,20).ccls. and (SANDULEANU with MIHAI with ADRIAN with TIBERIU).in.	USPAT; UPAD	WITH	ON	2009/09/29 17:17
L23	4	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,159,536 or 326/17,20).ccls. and nxp.as. and (frequency with detect \$3 and (PLL or phase with lock\$3 with loop)).clm.	USPAT; UPAD	WITH	ON	2009/09/29 17:17
L24	2	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,159,536 or 326/17,20).ccls. and (quadricorrelat\$3 and frequency with detect\$3 and phase with detect\$3).clm.	USPAT; UPAD	WITH	ON	2009/09/29 17:17
L25	11	(331/1a,25 or 375/215,294,324,327,373-376 or 327/157,159,536 or 326/17,20).ccls. and nxp.as.	USPAT; UPAD	WITH	ON	2009/09/29 17:17

9/ 29/ 2009 5:18:25 PM

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